

Prevention First 2006

An Onshore and Offshore Pollution Prevention Symposium & Technology Exhibition

September 12-13, 2006 >>

The Westin Long Beach Hotel Long Beach, California



Commissioners
Cruz M. Bustamante, Lieutenant Governor
Steve Westly, State Controller
Michael C. Genest, Director of Finance

Paul D. Thayer, *Executive Officer* Gary L. Gregory, *Chief, Marine Facilities Division* Paul B. Mount II, *Chief, Mineral Resources Management Division*

Day One TUESDAY, SEPTEMBER 12

8:00 - 9:00 REGISTRATION & CONTINENTAL BREAKFAST 9:00 - 10:30 **GENERAL SESSION - WELCOMING REMARKS**

California Bob Foster, Mayor State Lands City of Long Beach Commissioner (invited)

Paul D. Thayer Executive Officer California State Lands Commission

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10:30 - 11:00 BREAK

11:00 - 12:00 **GENERAL SESSION**, continued

California State **Lands Commissioner** RADM Jody A. Breckenridge District Commander, D11 U.S. Coast Guard

Anil Mathur President and CEO, Alaska Tanker Company KEYNOTE SPEAKER

12:00 - 1:30 BUFFET LUNCH

1:30 - 3:00 AFTERNOON BREAKOUT SESSIONS

> Human & Organizational Factors (1A) Moderator: Kevin Mercier, California State Lands Commission

An Introduction to High Reliability Organizing Karlene Roberts, Ph.D., University of California, Berkeley

Assessing High Reliability Organizational Effectiveness Tony Ciavarelli, Ed.D., Naval Post Graduate School

Marine Oil Terminal Engineering & Maintenance Standards (MOTEMS)

Moderator: Martin L. Eskijian, P.E., California State Lands Commission **MOTEMS Implementation and Updates**

Martin L. Eskijian, P.E., *California State Lands Commission*

Berths 400-408 Port of Los Angeles Ron Heffron, P.E., J. Gilad, P.E., D. Dykstra, P.E., Moffatt & Nichol

Cold Ironing at Marine Oil Terminals (POLB) Kosal Krishnan, Ph.D., P.E., and Jeff Khouri, P.E., DMM Harris and Steve Nagel, P.E., Port of Long Beach

LNG Engineering and Maintenance Standards (LNGTEMS)
Gayle Johnson, P.E., HPA

Oil Spill Prevention and Response R & D: OSPR's Scientific Study and Evaluation Program (SSEP) Moderator: Kenneth E. Mayer, California Department of Fish and Game, OSPR

OSPR's SSEP: An Overview Kenneth E. Mayer, *OSPR*

Rub-A-Dub-Dub: Preparing to Treat Oiled Sea Otters David Jessup, Ph.D., OSPR

Protecting Least Terns During An Oil Spill: A Test of the Attraction of Artificial Fish Ponds Kathy Keane, Keane Biological Consulting

Summerland Oil Seepage

Ira Leifer, Ph.D., Marine Sciences Institute, University of California, Santa Barbara

Platform Spill Prevention and Safety Management 4A Moderator: Mark Steinhilber California State Lands Commission



MMS Focused Facility Review & Safety Management Shannon Shaw, U.S. Department of the Interior, Minerals Management Service

> CSLC Safety Audits, Status, Lessons Learned David Rodriguez, California State Lands Commission

Oil Spill Drill Incident Command, Planning Andrew Prestridge, DCOR, LLC

3:30 BREAK 3:00 -

3:30 - 4:30 AFTERNOON BREAKOUT SESSIONS, continued

Human & Organizational Factors

Moderator: Kevin Mercier, California State Lands Commission

Communication and Safety Tracy Thompson, Ph.D., *University of Washington, Tacoma*

Oil Spill Summary from California Terminals Marc Chaderjian, Ph.D., *California State Lands Commission*

Marine Terminal Engineering Issues

Moderator: Martin L. Eskijian, P.E., California State Lands Commission

Risk Assessment/Hazards for DWP LNG Receiving Terminals Mike Hightower, Sandia National Laboratories

Wave Characteristics for Mine Detection Professor Qiang Zhu, *University of California, San Diego* OSPR Emerging Issues II

nt of Fish and Came O

Moderator: Julie Yamamoto, Ph.D., California Department of Fish and Game, OSPR

Protecting our Wildlife from Spills– OSPR's Wildlife Response Plan for California Melissa Boggs, *OSPR*

OWCN: A Model for Preparing for An Oiled Wildlife Response Michael Ziccardi, Ph.D., *University of California, Davis, Wildlife Health Center*

Safety, Offshore Pipelines



Moderator: Chandra Basavalinganadoddi, California State Lands Commission

Pipelines in the Pacific OCS Region Theresa Bell, U.S. Department of the Interior, Minerals Management Service

Pipeline Integrity Management Program Kathye Griffis, *THUMS*

Pipelines Inspection Technology George Ramsay, Venoco

4:30 - 6:30 EVENING RECEPTION

Day Two WEDNESDAY, SEPTEMBER 13

7:30 - 8:30 CONTINENTAL BREAKFAST 8:30 - 10:00 MORNING BREAKOUT SESSIONS

Protecting California Coasts from Marine Invasions

Moderator: Maurya B. Falkner, California State Lands Commission

California's Marine Invasive Species Program Staff, California State Lands Commission

Shipboard Demonstrations of Ballast Water Treatment to Control AIS Henry A. Olson and Lisa M. Swanson, P.E., *Matson Navigation Company* and Tom Perlich, *Ecochlor, Inc.*

> Testing Shipboard Treatment Technologies: Challenges, Hurdles, and Nightmares—Oh My! Richard Everett, Ph.D., *U.S. Coast Guard*

Ballast Water Exchange Verification Gregory M. Ruiz, Ph.D., Smithsonian Environmental Research Center

Marine Terminal Engineering Issues

Moderator: Martin L. Eskijian, P.E., California State Lands Commission

Recent Advances in Passing Vessel Loads Professor David Kriebel, Ph.D., P.E., *United States Naval Academy*

CFD Simulation of Passing Ship Effects T. Erick Huang, Ph.D., P.E., Naval Facilities Engineering Service Center

Recent Tsunami Run-up Simulations for the San Francisco Bay Jose Borrero, Ph.D., *University of Southern California*

Permitting Strategies:
Pipeline Construction and Maintenance in High Risk Areas
Moderator: Dave Blurton, California Department of Fish and Game, OSPR

Pipeline Permit Process for New Pipelines: Gathering all the Necessary Permits and Information Mark Reese, *Pacific Energy Partners*

Input to Pipeline Operators Obtaining Construction Permits:
A State Agency Perspective
Kathleen Jennings, Ph.D., OSPR

Determination and Description of High Consequence Areas for Pipeline Maintenance and Construction Activities Bob Gorham, *Office of State Fire Marshal*

Pipeline Permitting: The U.S. Forest Service Process Stephen L. Johnson, *Bureau of Land Management*

LNG Receiving Terminals on the West Coast

Moderator: Madhu Ahuia. P.E., California State Lands Commission

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Long Beach LNG Import Terminal, POLB's Role in the Approval Process Stacey Crouch, Port of Long Beach

Offshore LNG Receiving Terminals, CSLC's Role in License Application Process Dwight Sanders, *California State Lands Commission*

Offshore LNG Receiving Terminals, USCG/MARAD's Role in License Application Process Mark Prescott, *United States Coast Guard*

> LNG's Role for Expanding Natural Gas Supplies Pat Perez, California Energy Commission

10:30 - 11:30 MORNING BREAKOUT SESSIONS, continued

Protecting California Coasts from Marine Invasions (11) Moderator: Maurya B. Falkner, California State Lands Commission

Shipping Traffic, Hull Fouling and Invasion Risk to West Coast Ports Ian Davidson, *Portland State University*

> West Coast Ballast Outreach Project: The Role of Education and Outreach in the **Prevention and Management of Species Introductions** Nicole Dobroski. California Sea Grant Extension

> > Maritime Security

Moderator: John Brown, California State Lands Commission

Training Challenges Frank Whipple, *Amergent Techs*

Waterfront Protection William Seelig, P.E., NFESC-Waterfront Protection & Moorings, Code 55 Marine and Intermodal Transportation Issues

Moderator: Norman Fassler-Katz, State Senate Transportation Subcommittee

Growth of California Ports: Opportunities and Challenges-A Report to the California State Legislature Gill Hicks, Gill V. Hicks & Associates

Offshore Seeps Study and Beach Hazards Removal 411



Moderator: Dan Dudak, California State Lands Commission

Offshore Oil and Gas Seeps Ira Leifer, Ph.D., Marine Sciences Institute University of California, Santa Barbara

Coastal Hazards Ted Roche. Divecon Services LP

Well Reabandonment Thomas Kennedy, *Pacific Management*

11:30 - 1:00 BUFFET LUNCH

1:00 -3:00 AFTERNOON BREAKOUT SESSIONS

Maritime Security

Moderator: John Brown. California State Lands Commission

California Office of

Homeland Security and California's Ports: A Partnership of Focus Jessica Cummins, California Office of Homeland Security

Facility Access Controls CDR Gordon Loebl. United States Coast Guard. Sector SFB

Oil Spill Planning, Monitoring and Modeling



Moderator: Bud Leland.. California Department of Fish and Game. OSPR

California's Use of GIS and Remote Sensing Technology for Oil Spill Planning Judd Muskat, OSPR

California's Oil Spill Simulator

Philip B. Arms, Ph.D., California Maritime Academy

Determining Best Achievable Shoreline Protection Using GNOME Trajectories Carl Jochums, *OSPR*

Monitoring Dispersed Oil and Its Effect in the Sea Walter Nordhausen, Ph.D., *OSPR*

Facility Abandonment and Restoration Programs 41



Moderator: James Hemphill, California State Lands Commission

System of Operating Excellence, Aera Energy LLC Al Mueller, Aera Energy LLC

Belmont Island Removal and Field Revitalization Steve Curran. California State Lands Commission

Bolsa Chica Jim Trout, California State Lands Commission

Best Management Practices Used for Recent Decommissioning Projects Simon Poulter, Padre Associates, Inc.